

| Ref # | Hits    | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|---------|--|---|------------------|---------|------------------|
| L8:   | 484     | hwang.in. and hynix.as.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/11/03 11:05 |
| L9    | 2       | ("2002289769").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/11/03 11:05 |
| L10   | 1       | 2003-080621.NRAN.  | DERWENT   | OR               | ON      | 2005/11/03 11:05 |
| S1    | 2       | ("20040095736").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/10/31 09:02 |
| S2    | 2784541 | @ad>"20021117"@riad>"20021117"@pt1d>"20021117"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/10/31 09:17 |
| S3    | 2173    | packaged adj (chip die) not S2   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/10/31 09:18 |
| S4    | 109     | stack\$ with S3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/10/31 10:08 |
| S5    | 737     | (\$bga bga\$ \$csp csp\$ \$qfp qfp\$ \$4sop sop\$4) with stack\$ not S2  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/10/31 10:37 |
| S6    | 2189882 | semiconductor integrated adj circuit ic "438"/\$.cccls. "257"/\$.cccls. not S2   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/10/31 10:14 |
| S7    | 655     | S5 and S6  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/10/31 10:14 |
| S8    | 18      | (US-20030164540-\$ or US-20030020151-\$ or US-20020096785-\$ or US-20020053728-\$ or US-20020053723-\$ or US-20010054758-\$ or US-20010015488-\$ or US-20010008482-\$).did. or (US-6924556-\$ or US-6777794-\$ or US-6740983-\$ or US-6716676-\$ or US-6621156-\$ or US-6583503-\$ or US-6472741-\$ or US-6472735-\$ or US-6339254-\$ or US-6180881-\$).did.   | US-PGPUB;<br>USPAT                                      | OR               | ON      | 2005/10/31 18:32 |
| S9    | 65      | (US-20030111736-\$ or US-20030057539-\$ or US-20030020151-\$ or US-20040084771-\$ or US-20040026773-\$ or US-20040012992-\$ or US-20030164540-\$ or US-20030148597-\$ or US-20030141583-\$ or US-20030141582-\$ or US-20030082845-\$ or US-20030042587-\$ or US-20030030151-\$ or US-20030025184-\$ or US-20020151103-\$ or US-20020121690-\$ or US-20020117742-\$ or US-20020089051-\$ or US-20020041027-\$ or US-20020038907-\$ or US-20020004258-\$ or US-20010020741-\$).did. or (US-6849480-\$ or US-6847105-\$ or US-6716676-\$ or US-6707140-\$ or US-6472741-\$ or US-6180881-\$ or US-6093969-\$ or US-6951774-\$ or US-6836009-\$ or US-6768190-\$ or US-6737738-\$ or US-6664644-\$ or US-6630731-\$ or US-6621172-\$ or US-6621156-\$ or US-6555917-\$ or US-6555399-\$ or US-6521993-\$ or US-6492719-\$ or US-6452279-\$ or US-6424030-\$ or US-6365966-\$ or US-6353263-\$ or US-6352879-\$ or US-6340846-\$ or US-6335565-\$).did. or (US-6262488-\$ or US-6229217-\$ or US-6181002-\$ or US-6157080-\$ or US-6100594-\$ or US-5982186-\$ or US-5910685-\$ or US-5754408-\$ or US-5744827-\$ or US-5708298-\$ or US-5587341-\$ or US-5155067-\$ or US-5138438-\$ or US-4982265-\$).did. or (JP-2002289769-\$).did. or (KR-2004004979-\$ or US-20030141582-\$).did. | US-PGPUB;<br>USPAT;<br>JPO;<br>DERWENT                  | OR               | ON      | 2005/10/31 15:59 |

|     |         |  |   |    |    |                  |
|-----|---------|--|---|----|----|------------------|
| S10 | 581     | (<br>"20010013645"   "20020045290"   "20020089050"   "3370203"   "3577037"   "3851221"   "4080026"  <br>"4103318"   "4151543"   "4361261"   "4363076"   "4398235"   "4437235"   "4444349"   "4586642"  <br>"4640436"   "4663833"   "4682207"   "4709122"   "4727410"   "4730232"   "4746583"   "4763188"  <br>"4862245"   "4873615"   "4894706"   "4901136"   "4943844"   "4953005"   "4956694"   "4982265"  <br>"4992850"   "4996587"   "5008734"   "5010445"   "5012323"   "5019673"   "5025306"   "5028986"  <br>"5036381"   "5040052"   "5045914"   "5070258"   "5089929"   "5107328"   "5128831"   "5138434"  <br>"5138438"   "5139969"   "5140404"   "5155067"   "5165067"   "5172215"   "5176311"   "5177032"  <br>"5198888"   "5227664"   "5266912"   "5291060"   "5291061"   "5293301"   "5304738"   "5311401"  <br>"5313096"   "5323060"   "5325268"   "5334875"   "5346402"   "5347429"   "5352926"   "5362984"  <br>"5366933"   "5373188"   "5380681"   "5382827"   "5384689"   "5394608"   "5399898"   "5410451"  <br>"5420751"   "5422435"   "5432729"   "5438224"   "5441918"   "5446620"   "5463253"   "5466634"  <br>"5474958"   "5475262"   "5479051"   "5484959"   "5490041"   "5495398"   "5502289"   "5514907"  <br>"5527740"   "5579208"   "5581122"   "5581498"   "5587341"   "5593927"   "5608262"   "5608265"  <br>"5612570"   "5620928"   "5629563"   "5641996"   "5644163"   "5646828"   "5663593"   "5677566"  <br>"5677569"   "5682062"   "5689135"   "5696031"   "5696033"   "5708298"   "5715147"   "5715593"  <br>"5719440"   "5721452"   "5723369"   "5723901"   "5726079".PN. OR ("5739581"   "5739585"  <br>"5744827"   "5748454"   "5753538"   "5754408"   "5766021"   "5766986"   "5768772"   "5773896"  <br>"5783870"   "5786237"   "5790384"   "5793108"   "5798564"   "5798567"   "5801439"   "5804004"  <br>"5815000"   "5815372"   "5817545"   "5818748"   "5821615"   "5838060"   "5847455"   "5851845"  <br>"5861666"   "5866939"   "5866943"   "5866949"   "5866953"   "5872025"   "5886412"   "5891753"  <br>"5892287"   "5893726"   "5898220"   "5898224"   "5909057"   "5910682"   "5910685"   "5915167"  <br>"5917242"   "5920768"   "5923090"   "5930599"   "5933713"   "5938956"   "5939789"   "5946553"  <br>"5949135"   "5952725"   "5953588"   "5958100"   "5973393"   "5973403"   "5977640"   "5986209"  <br>"5989941"   "5989882"   "5990566"   "5994166"   "5994784"   "5998864"   "6005778"   "6008070"  <br>"6011304"   "6013948"   "6020624"   "6020629"   "6025640"   "6025728"   "6028356"   "6028365"  <br>"6030855"   "6033931"   "6043430"   "6046496"   "6048744"   "6048755"   "6049094"   "6049125"  <br>"6051878"   "6051886"   "6054759"   "6057598"   "6060778"   "6066514"   "6072233"   "6072234"  <br>"6072236"   "6072243"   "6075284"   "6075288"   "6077724"   "6080264"   "6084308"   "6087722"  <br>"6089920"   "6093584"   "6093938"   "6094058"   "6097081"   "6097087"   "6097098"   "6100594"  <br>"6103547"   "6107122"   "6107679"   "6107680"   "6117382"   "6117704"   "6124634"   "6130115"  <br>"6130483"   "6133067"   "6133637"   "6143590"   "6150717"   "6157080"   "6157541"   "6159764"  <br>"6165815"   "6168969"   "6168970".PN. OR ("6168973"   "6169329"   "6172419"   "6172874"  <br>"6175149"   "6181002"   "6184465"   "6195268"   "6197613"   "6198171"   "6198172"   "6201302"  <br>"6204091"   "6208018"   "6208020"   "6208519"   "6210992"   "6212767"   "6214641"   "6215175"  <br>"6215182"   "6221691"   "6222265"   "6225146"   "6225689"   "6228548"   "6228687"   "6229158"  <br>"6229200"   "6229202"   "6229217"   "6230400"   "6233429"   "6235554"   "6236109"   "6238949"  <br>"6242281"   "6246108"   "6252305"   "6258623"   "6258624"   "6258630"   "6259153"   "6269999"  <br>"6271601"   "6277671"   "6281568"   "6284571"   "6291894"   "6294838"   "6294839"   "6297547"  <br>"6303981"   "6303985"   "6309916"   "6310390"   "6314639"   "6316285"   "6316828"   "6316837"  <br>"6316838"   "6326242"   "6326244"   "6326687"   "6326696"   "6326697"   "6326698"   "6329220"  <br>"6331221"   "6331447"   "6331453"   "6332766"   "6335565"   "6338813"   "6340846"   "6342398"  <br>"6353259"   "6353263"   "6355977"   "6358049"   "6359341"   "6365963"   "6369448"   "6380002"  <br>"6381838"   "6388313"   "6388340"   "6400007"   "6404062"   "6413797"   "6413801"   "6424030"  <br>"6429528"   "6469370"   "6469376"   "6472741"   "6489686"   "6489687"   "6501164"   "6507098"  <br>"6563206"   "6577008"   "6593662"   "6621156"   "6621172"   "6632704"   "D394844"   "D402638"  <br>"H000606"   "RE36077"   "RE36469"   "RE36613".PN. OR ("2001/0020741"   "2002/0004258"  <br>"2002/0038907"   "2002/0041027"   "2002/0089051"   "2002/0117742"   "2002/0121690"  <br>"2002/0151103"   "2003/0020151"   "2003/0025184"   "2003/0030151"   "2003/0042587"  <br>"2003/0057539"   "2003/0082845"   "2003/0111736"   "2003/0141582"   "2003/0141583"  <br>"2003/0148597"   "2003/0164540"   "2004/0012992"   "2004/0026773"   "2004/0084771"   "6180881"  <br>"6181002"   "6229217"   "6262488"   "6335565"   "6340846"   "6352879"   "6353263"   "6365966"  <br>"6424030"   "6452279"   "6472741"   "6492719"   "6521993"   "6555399"   "6555917"   "6621156"  <br>"6621172"   "6630731"   "6664644"   "6707140"   "6716676"   "6737738"   "6768190"   "6836009"  <br>"6847105"   "6849480"   "6951774").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2005/10/31 16:02 |
| S11 | 504     | (<br>"3370203"   "3577037"   "3671812"   "3689684"   "4109096"   "4271426"   "4363076"   "4398235"  <br>"4554505"   "4640436"   "4663833"   "4696525"   "4709122"   "4750092"   "4763188"   "4943844"  <br>"4992850"   "4996587"   "5008734"   "5008734"   "5036381"   "5123850"   "5130894"   "5138438"  <br>"5210938"   "5239447"   "5239448"   "5279029"   "5287000"   "5311401"   "5334875"   "5343075"  <br>"5365107"   "5385869"   "5422514"   "5481436"   "5502333"   "5519251"   "5583371"   "5583375"  <br>"5608265"   "5612569"   "5616962"   "5621242"   "5623395"   "5625221"   "5640052"   "5697148"  <br>"5708298"   "5726493"   "5844320"   "5889326"   "6020629".PN. OR ("4982265"   "5138438"  <br>"5155067"   "5587341"   "5708298"   "5744827"   "5754408"   "5910685"   "5982186"   "6093969"  <br>"6100594"   "6157080").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON | 2005/10/31 16:02 |
| S12 | 742     | (S10 S11) not (S2 S4 S7)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/31 16:20 |
| S13 | 2176078 | test\$5 burn\$5 not S2   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/31 16:20 |
| S14 | 23      | (US-20020089050-\$ or US-20020045290-\$).did. or (US-6884658-\$ or US-6873036-\$ or US-6849949-\$ or<br>US-6841881-\$ or US-6774471-\$ or US-6717252-\$ or US-6650019-\$ or US-6607937-\$ or US-6563206-\$ or<br>US-6545366-\$ or US-6531784-\$ or US-6509638-\$ or US-6472758-\$ or US-6441483-\$ or US-6343019-\$ or<br>US-6294839-\$ or US-6211564-\$ or US-6208018-\$ or US-6175149-\$ or US-6087722-\$ or US-6080264-\$).<br>did.   | US-PGPUB;<br>USPAT                                      | OR | ON | 2005/10/31 17:05 |
| S15 | 88      | (US-20030111736-\$ or US-20030057539-\$ or US-20030020151-\$ or US-20040084771-\$ or<br>US-20040026773-\$ or US-20040012992-\$ or US-20030164540-\$ or US-20030148597-\$ or<br>US-20030141583-\$ or US-20030141582-\$ or US-20030082845-\$ or US-20030042587-\$ or<br>US-20030030151-\$ or US-20030025184-\$ or US-20020151103-\$ or US-20020121690-\$ or<br>US-20020117742-\$ or US-20020089051-\$ or US-20020041027-\$ or US-20020038907-\$ or<br>US-20020004258-\$ or US-20010020741-\$ or US-20020089050-\$ or US-20020045290-\$).did. or<br>(US-6849480-\$ or US-6847105-\$ or US-6716676-\$ or US-6707140-\$ or US-6472741-\$ or US-6180881-\$ or<br>US-6093969-\$ or US-6951774-\$ or US-6836009-\$ or US-6768190-\$ or US-6737738-\$ or US-6664644-\$ or<br>US-6630731-\$ or US-6621172-\$ or US-6621156-\$ or US-6555917-\$ or US-6555399-\$ or US-6521993-\$ or<br>US-6492719-\$ or US-6452279-\$ or US-6424030-\$ or US-6365966-\$ or US-6353263-\$ or US-6352879-\$ or<br>US-6340846-\$ or US-6335565-\$).did. or (US-6262488-\$ or US-6229217-\$ or US-6181002-\$ or<br>US-6157080-\$ or US-6100594-\$ or US-5982186-\$ or US-5910685-\$ or US-5754408-\$ or US-5744827-\$ or<br>US-5708298-\$ or US-5587341-\$ or US-5155067-\$ or US-5138438-\$ or US-4982265-\$ or US-6884658-\$ or<br>US-6873036-\$ or US-6849949-\$ or US-6841881-\$ or US-6774471-\$ or US-6717252-\$ or US-6650019-\$ or<br>US-6607937-\$ or US-6563206-\$ or US-6545366-\$ or US-6531784-\$ or US-6509638-\$ or US-6472758-\$).<br>did. or (US-6441483-\$ or US-6343019-\$ or US-6294839-\$ or US-6211564-\$ or US-6208018-\$ or<br>US-6175149-\$ or US-6087722-\$ or US-6080264-\$).did. or (JP-2002289769-\$).did. or (KR-2004004979-\$<br>or US-20030141582-\$).did.   | US-PGPUB;<br>USPAT;<br>JPO;<br>DERWENT                  | OR | ON | 2005/10/31 17:06 |

|     |         |   |   |    |     |                  |
|-----|---------|---|---|----|-----|------------------|
| S16 | 40      | S13 and S15   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/10/31 17:06 |
| S17 | 18      | packaged with unpackaged with stack\$ not S2  | US-PGPUB;<br>USPAT                                      | OR | ON  | 2005/10/31 18:32 |
| S18 | 40      | ("5128831"   "5222014"   "5252857"   "5323060"   "5776797"   "5793101"   "5883426"   "5946553"  <br>"5986209"   "5990566"   "6020624"   "6020629"   "6028365"   "6051878"   "6072233"   "6072236"  <br>"6100594"   "6121676"   "6153924"   "6154366"   "6160718"   "6175149"   "6212767"   "6222265"  <br>"6225689"   "6228548"   "6235554"   "6258623"   "6261865"   "6262895"   "6281577"   "6294839"  <br>"6297547"   "6303981").PN. OR ("6607937").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON  | 2005/10/31 18:40 |
| S19 | 34      | S18 not S2  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON  | 2005/10/31 18:40 |
| S20 | 86      | (US-20030111736-\$ or US-20030057539-\$ or US-20030020151-\$ or US-20040084771-\$ or<br>US-20040026773-\$ or US-20030164540-\$ or US-20030148597-\$ or US-20030141583-\$ or<br>US-20030141582-\$ or US-20030082845-\$ or US-20030042587-\$ or US-20030030151-\$ or<br>US-20030025184-\$ or US-20020151103-\$ or US-20020121690-\$ or US-20020089051-\$ or<br>US-20020041027-\$ or US-20020004258-\$ or US-20010020741-\$ or US-20020089050-\$ or<br>US-20020045290-\$).did. or (US-6849480-\$ or US-6847105-\$ or US-6716676-\$ or US-6707140-\$ or<br>US-6472741-\$ or US-6180881-\$ or US-6093969-\$ or US-6951774-\$ or US-6836009-\$ or US-6768190-\$ or<br>US-6737738-\$ or US-6664644-\$ or US-6630731-\$ or US-6621172-\$ or US-6621156-\$ or US-6555917-\$ or<br>US-6555399-\$ or US-6521993-\$ or US-6492719-\$ or US-6452279-\$ or US-6424030-\$ or US-6365966-\$ or<br>US-6353263-\$ or US-6352879-\$ or US-6340846-\$ or US-6335565-\$).did. or (US-6262488-\$ or<br>US-6229217-\$ or US-6181002-\$ or US-6157080-\$ or US-6100594-\$ or US-5982186-\$ or US-5910685-\$ or<br>US-5754408-\$ or US-5744827-\$ or US-5708298-\$ or US-5587341-\$ or US-5155067-\$ or US-5138438-\$ or<br>US-4982265-\$ or US-6884658-\$ or US-6873036-\$ or US-6849949-\$ or US-6841881-\$ or US-6774471-\$ or<br>US-6717252-\$ or US-6650019-\$ or US-6607937-\$ or US-6563206-\$ or US-6545366-\$ or US-6531784-\$ or<br>US-6509638-\$ or US-6472758-\$).did. or (US-6441483-\$ or US-6343019-\$ or US-6294839-\$ or<br>US-6211564-\$ or US-6208018-\$ or US-6175149-\$ or US-6087722-\$ or US-6080264-\$ or US-5222014-\$).<br>did. or (JP-2002289769-\$).did. or (KR-2004004979-\$ or US-20030141582-\$).did. | US-PGPUB;<br>USPAT;<br>JPO;<br>DERWENT                  | OR | ON  | 2005/11/01 10:35 |
| S21 | 3       | ("2003/0057539").URPN.  | USPAT   | OR | ON  | 2005/11/01 10:42 |
| S22 | 2       | ("20040095736").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/11/01 10:49 |
| S23 | 2786161 | @ed>"20021117" @riad>"20021117" @pt1d>"20021117"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/11/01 11:02 |
| S24 | 57421   | (257/686,723-726,777,e21.532-e21.705,e23.085,e23.169-e23.178,e25.001-e25.032,e27.137,e27.144,e27.<br>161 438/67,74,109,455,for.211-for.220,for.365-for.368,for.426).cccls. not S23  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/11/01 11:02 |
| S25 | 69      | packaged with unpackaged and S24  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/11/01 11:05 |
| S26 | 46      | (test\$5 burn\$5) and S25   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/11/01 11:05 |
| S27 | 2       | ("6294731").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/11/01 11:50 |
| S28 | 35      | ("5642262" "5784264" "5807791" "5872051" "5872700" "5986886" "5999437" "6069793" "6075289" "61<br>57080" "6208525" "6239482" "6294731" "6297551" "6335221" "6392896" "6475830").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/11/01 12:00 |
| S29 | 2       | ("6873035").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/11/01 12:00 |
| S30 | 40      | ("5128831"   "5222014"   "5252857"   "5323060"   "5776797"   "5793101"   "5883426"   "5946553"  <br>"5986209"   "5990566"   "6020624"   "6020629"   "6028365"   "6051878"   "6072233"   "6072236"  <br>"6100594"   "6121676"   "6153924"   "6154366"   "6160718"   "6175149"   "6212767"   "6222265"  <br>"6225689"   "6228548"   "6235554"   "6258623"   "6261865"   "6262895"   "6281577"   "6294839"  <br>"6297547"   "6303981").PN. OR ("6607937").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                            | OR | ON  | 2005/11/01 15:17 |
| S31 | 34      | S30 not S23   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/11/01 15:31 |
| S32 | 1       | fbga with bga with (tqfp stsop) not S23   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/11/01 16:07 |
| S33 | 8       | fbga and bga and (tqfp stsop) not S23   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/11/01 15:37 |

|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| S35 | 4    | fine adj ball adj grid adj array and ball adj grid adj array and (thin adj quad adj flat adj pack\$5 super adj thin adj small adj outline adj package) not S23   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/01 16:06 |
| S36 | 477  | (fine adj ball adj grid adj array fbga) with (ball adj grid adj array bga) not S23   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/01 15:57 |
| S37 | 94   | (US-20030111736-\$ or US-20030057539-\$ or US-20030020151-\$ or US-20040084771-\$ or US-20030164540-\$ or US-20030148597-\$ or US-20030141583-\$ or US-20030141582-\$ or US-20030082845-\$ or US-20030042587-\$ or US-20030030151-\$ or US-20030025184-\$ or US-20020151103-\$ or US-20020121690-\$ or US-20020089051-\$ or US-20020041027-\$ or US-20020004258-\$ or US-20010020741-\$ or US-20020089050-\$ or US-20020045290-\$ or US-20040026773-\$ or US-20030089977-\$ or US-20030059976-\$ or US-20020195704-\$ or US-20030153122-\$).did. or (US-6849480-\$ or US-6847105-\$ or US-6716676-\$ or US-6707140-\$ or US-6472741-\$ or US-6180881-\$ or US-6093969-\$ or US-6951774-\$ or US-6836009-\$ or US-6768190-\$ or US-6737738-\$ or US-6664644-\$ or US-6630731-\$ or US-6621172-\$ or US-6621156-\$ or US-6555917-\$ or US-6555399-\$ or US-6521993-\$ or US-6492719-\$ or US-6452279-\$ or US-6424030-\$ or US-6365966-\$ or US-6353263-\$ or US-6352879-\$ or US-6340846-\$ or US-6335565-\$).did. or (US-6262488-\$ or US-6229217-\$ or US-6181002-\$ or US-6157080-\$ or US-6100594-\$ or US-5982186-\$ or US-5910685-\$ or US-5754408-\$ or US-5744827-\$ or US-5708298-\$ or US-5587341-\$ or US-5155067-\$ or US-5138438-\$ or US-4982265-\$ or US-6884658-\$ or US-6873036-\$ or US-6849949-\$ or US-6841881-\$ or US-6774471-\$ or US-6717252-\$ or US-6650019-\$ or US-6607937-\$ or US-6563206-\$ or US-6545366-\$ or US-6531784-\$ or US-6509638-\$ or US-6472758-\$).did. or (US-6441483-\$ or US-6343019-\$ or US-6294839-\$ or US-6211564-\$ or US-6208018-\$ or US-6175149-\$ or US-6087722-\$ or US-6080264-\$ or US-5222014-\$ or US-6294731-\$ or US-6475830-\$ or US-5872700-\$ or US-6873035-\$).did. or (JP-2002289769-\$).did. or (KR-2004004979-\$ or US-20030141582-\$).did. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT             | OR | ON | 2005/11/01 15:56 |
| S38 | 6    | S37 and S36  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/01 15:59 |
| S40 | 132  | (fine adj ball adj grid adj array fbga ball adj grid adj array bga) with (thin adj quad adj flat adj pack\$5 tqfp super adj thin adj small adj outline adj package stsop) not S23  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/01 15:58 |
| S42 | 2    | S40 and S38  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/01 15:59 |
| S43 | 1    | fbga with (tqfp stsop) not S23   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/01 16:07 |
| S44 | 8    | fbga and (tqfp stsop) not S23  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/01 17:23 |
| S45 | 538  | solder adj ball with solder adj bump with pad not S23  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/01 17:24 |
| S46 | 38   | (chip die) with board with S45   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/01 17:36 |
| S48 | 9    | stacked adj solder adj ball not S23  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/01 17:44 |
| S50 | 22   | solder adj ball adj stack\$5 not S23   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/01 17:46 |
| S51 | 1850 | 228/180.22 not S23   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/11/01 17:46 |